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	Total	N-Clones (208F-FE-8)	T-Clones (FE8-208F)
Number of sequenced cDNA clones	1257	669	588
Number of individual sequences	823	416	407
Sequence analysis			:
Known genes (nr/Genbank)	427	207	220
Expressed Sequence Tags (dbest)	303	161	142
No similarity in data bases (new)	93	48	45
Expression analysis: Reverse Northern Analysis/con- ventional Northern Blot			
Differentially expressed	393	225	168
Known genes	244	126	118
Expressed sequence tags	104	74	30
New sequences	45	25	. 20
Not differentially expressed	194	86	108
Not detectable in expression analysis	236	105	131

FIG. 1



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Genes

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ccess Redund mber ancy 22867 1 3015140 1 12492 1 4361 2 59846 1 12673 1 4059864 1	- Adjust ment S	- Warif-			Accept Bodies	5	
22867 1 2015140 1 12492 1 4361 2 59846 1 12673 1 4059864 1	1	ment ication	Sequence Identity (Genbank/EMBL)	Species	Number ancy	- Adjust- ment	Access Redund- Adjust-Verif- Number ancy ment ication
22867 1 2015140 1 12492 1 34361 2 3846 1 12673 1 4U159864 1	>100	ignalling	Signalling Molecule		1		
12492 1 12492 1 14361 2 59846 1 12673 1 14059864 1		IN	AKAP-KI. (A kinase anchor profeso)	E	1 32033	1 71	Ę
12492 1 34361 2 59846 1 12673 1 4059864 1	a			3	1 0/7000 T	101	11, N
12492 1 84361 2 59846 1 12673 1 1059864 1	0.00	۷.	por (eck receptor 11gand)	ы	D38056 I	5.5	Т2
34361 2 59846 1 12673 1 4059864 1	>100	æ	c-Hn-ras-1	4	V00574 1	17.0	73
59846· 1 12673 1 4059864 1 7014195 1	5.6	N2, R	c-yes	E	1 CL9L9X	12.5	T4
12673 1 4059864 1 7014195 1	24.0	~	Calmodulin-dependent protein kinase II-delta	H	J05072 1	8.1	<u>~</u>
1059864 1 2014195 1	3.6	N3	Cyclooxygenase I	14	003388	7.06	15. R
7014195 1	38.6	N4	Cytocentrin=Ral-binding protein 1	٠.	1128830 1	α	
	8.6	~	FKBP51 (T-cell specific immunophilin)	- €	116959	68.2	7.
M60474 2	3.3	NS	FLIP (FLICE-like inhibitory protein)	=	2 9202611	>100	, E
AJ001529 2	21.6	24	GEF-HI	ے :	1172206 1	32.1	o E
U84038 1	44.5	9N	GTP-binding protein RAB5	: 14	AF072935 1	>100	110
X62678 1	3.4	æ	JAKI protein-tyrosine kinase 1	14	AJ000556 1	55.0	T11
L15354 2	>100	N7,R	MAP-kinase phosphatase (cpg21)	۱ ١-	AF013144 1	27 9	#12 R
567334 1	>100	N8	p67 (isoprenylated 67 kDa protein)	· 5	M80367	98.2	413
55772 1	62.9	N9, R	Phosphatase 2A B56	ے ،	1,42373 2	5.07	4 t
3903 1	1.9	œ	PkB kinase	: 5 4	Y15748 1	19.9	715
18481 1	26.1	N10	R-esp2	ų	L14463 1	>100	116
96163 1	>100	N11, R	Rap1B GTP binding protein	Ţ	007795 1	21.0	T17
3005047 1	3.5	α.	Ras-GTPase-activating protein	E	AB001927 1	9.9	T18
			RhoC	E	X80638 2	6.7	æ
			SBF1 phosphatase	4	U93181 1	27.1	T19, R
			Sprouty 2 (SPRY2)	ч	AF039843 2	11.60	T20,R
			TCARCI	E	U44088 1	2.7	T21
			Tyrosine phosphatase IA-2a	ч	D38222 1	12.2	T22
	U55772 1 D13903 1 U38481 1 M96163 1 AB005047 1	55772 1 65.9 13903 1 1.9 38481 1 26.1 96163 1 >100 B005047 1 3.5	2 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 65.9 N9,R 3 1 1.9 R 1 1 26.1 N10 3 1 >100 N11,R 047 1 3.5 R	2 1 65.9 N9,R 3 1 1.9 R 1 1 26.1 N10 3 1 >100 N11,R 047 1 3.5 R	2 1 65.9 N9,R Phosphatase 2A B56 3 1 1.9 R PkB kinase 1 26.1 N10 Resp2 3 1 >100 N1,R Rap1B GTP binding protein m RhoC SBF1 phosphatase Sprouty 2 (SPRY2) h TDAG51 TYrosine phosphatase IA-2a	2 1 65.9 N9,R Phosphatase 2A B56 3 1 1.9 R PkB kinase 1 26.1 N10 Resp2 3 1 >100 N1,R Rap1B GTP binding protein m RhoC SPFI DASPH SPFI Phosphatase SPFI phosphatase Sprouty 2 (SPRY2) Typesine phosphatase IA-2a Tyrosine phosphatase IA-2a

FIG. 2

OIPE	.
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11:11

	N	clear Prot	eins	(Trans	ription	Nuclear Proteins (Transcription Factors, DNA Processing Enyzmes)					
AHNAK nucleoprofein	ع	M80902	٥	>100	N12	Alpha-prothymosin	.r M60664	64	2	4	~
MED-Appendent DNN holiopso	: E	1146690		o o	1 7	BOCAL-secondated DING domain protein (Bardi)	905V E	150051	. ~		#23
AIR dependent two nettease	=	00000	٠.	3		mont associated mind domain process (parts)	70 74		; ;		3 6
BRG-1 (brahma homolog)	E	801898	_	13.1	NIG	cdc-like-kinase (clk)	m L29221		13		24
CCAAT/enhancer binding (C/EBP gamma)	ы	X64403	-	16.6	N15	<pre>FEN-1 (flap endonuclease-1)</pre>	m L26320	20	. 11		25
Cdc21	E	D26089	_	3.9	~	Fra-1 (fos-related antigen 1)	r M19651	51	₹	•	6, R
Centromeric protein CENPC	E	003113	_	39.5	N16, R	Histone acetyltransferase (GCN5)	h AF02	AF029777	2.		27
Chromosome-associated polypeptide C(CAP-C)	æ	AB019987	_	9.6	œ	hNop56 nucleolar protein	h Y12065	65	2.		. 82
DNA polymerase epsilon	ч	AF036899	-	5.1	~	LAPIC (lamina-associated polypeptide 1C)	r U19614	14	7.		29
DNA repair protein RAD50	E	U66887	-	3.4	N17,R	Myb-binding protein (P160)	m U63648	48	5.9		T30
ERS1 transcription factor	ב	U17163	-	9.6	N18	NF-1 transcription factor	m U57635	35	71		31
ETF TEA domain containing transcription factor	E	D50563		7.4	N19	pl00 transcriptional coactivator	h 083883	83	4		α,
Gu binding protein	ч	U78524	-	41.7	N20	PEBP2b2	m D14571	71 2	45		32
HEC retinoblastoma-associated protein	ч	AF017790		3.9	N21,R	RB (retinoblastoma protein)	r D25233	33	6.5		33
Helicase p68 (HUMP68)	ч	AF015812	7	>100	N22, R	SA-1 (stromal antigen)	. m 275332	32	89.1		134, R
Histone H3.3	Ę	248950	7	5.8	æ						
Ki-67 antigen	E	X82786	_	>100	N23, R						
LAP2 (Lamina associated polypeptide 2)	ī	018314	4	>100	N24, R						
Mouse zinc finger protein	E	D45210	_	9.6	N25						
mTFE3 (X-linked transcriptional activator)	E	876673	_	3.6	œ						
Nuclear autoantigen GS2NA	ч	U17989	.	31.9	œ						
Nucleoporin 155	ч	AJ007558	_	15.2	N26						
Poly(ADP-ribose) glycohydrolase (hPARG)	E	AF079557	_	2.4	Ω4,						
Rnf4 transcription factor	E	U95141	7	64.9	œ						
Single strand DNA-binding protein .	æ	AF077048	_	4.9	~	-		٠			
STAT5al transcription factor	ı	U24175	_	1.8	N27						
Topoisomerase I	E	D10061	_	20.1	œ						
Topoisomerase II	ч	Z19552	٣	2.1	ac.						
	Prot	tein Proce	ssing	, Prot	in Trans	ein Processing, Protein Transport and Protein-folding Molecule					
26S proteasome subunit p55	Ľ.	AB003103	-	3.5	N28	Aminopeptidase P(APP)	r AFO	AF038591	'n.		æ
GRP94/endoplasmin	E	569316	-	2.2	∝ ;	Chaperonin containing TCP-1 epsilon(CCT)	m 231555	55	2.2		T35, R
Heat shock protein 105	E .	D67016	٦.	15.1	N29	Exportia	h AFO	AF039022	48.5		T36
hear snock protein 90	c	X15183	-	8	N30, K	GKF/3	r 5/8556	90	7.7	-	×

FIG. 2A

MG-160 (Golgi apparatus sialoglycoprotein)	H	008136		2.3	æ	HAUSP (herpes ass. ubiquitin-specific protense)	ح	272499	-	28.8	œ
Rsec6	H	U32575	1	56.0	N31	Importin alpha Ol	E	AF020771		10.6	œ
Translocation protein-1	ų,	D87127		>100	N32	MPPB (mitochondrial processing peptidase beta)	ы	L12965	_	4.3	~
						Ran-GTPase ,	E	583456		19.7	T37
						Sec61	u	M96630	7	29.5	T38, R
			•			Sort1 (sortilin)	ч	X98248	~	10.5	T39
						Translation initiation factor 3	æ	U94855		5.7	T40,R
		Met	abolic	Enzyme	s, Tran	Metabolic Enzymes, Transporters and Ion Channels					
3-beta-hydroxsteroid dehydrogenase isomerase	×	S63167	4	5.0	œ	4F2he intestinal type II membrane glycoprotein	_	U59324	4	2.9	T41
3-hydroxy 3-methlglutaryl coenzyme A synthase	¥	X52625	7	12.7	æ	ABC transporter MOAT-B	ڃ	AF071202	-	10.8	T42, R
Aldehyde dehydrogenase	ы	J03637	7	37.8	N33	Acyl-CoA synthetase 1	ч	D30666	_	4.1	α.
Alpha-mannosidase II	E	X61172	-	6.3	œ	Aldehyde reductase	ч	D10854	7	4.0	T43
Antioxidant enzyme AOE372	E	096746	1	1.8	N34	Asparagine synthetase	Ħ	007201	4	15.3	œ
AP56 (acetaminophen-binding protein)	E	856599		58.7	œ	ATP citrate-lyase	ы	J05210	7	3.1	∝
Apobee-1 binding protein 1	'n	U76713	-	>100	N35	Bleomyein hydrolase	н	D87336	2	8.5	T44, R
CaBP1 (calcium binding protein)	u	X79328	7	4.7	N36	CIC-6a (chloride channel)	ч	X99473	-	19.6	~
Calcium channel beta subunit-III	ĭ	M88751	1	18.8	N37	Famesyl pyrophosphate synthetase	J .	M34477	7	3.3	T45, R
Dihyropyrimidinase related protein-3	æ	D78014		2.3	<u>~</u>	Glucose-6-phosphate dehydrogenase	ч	X07467	_	2.4	~
Glutamine sythetase	Ħ	M91652	٣	10.4	œ	Glutathione reductase	ы	U73174	-	2.1	T46, R
NADH dehydrogenase chain 5	L.	X14848	-	2.5	~	Glvr-1 (leukemia virus receptor 1)	E	M73696	7	22.2	œ
NADH dehydrogenase chain 6	H	X13220	-	5.3	œ	MCT1 monocarboxylate transporter	ı	X86216		7.5	α.
NADP transhydrogenase	E	249204	1	12.3	N38	Mitochondrial trifunctional protein	u	D16478	_	2.4	T47
Phosphatidate phosphohydromse type 2	H	090556	-	6.2	N39	Non-neuronal enolase (NNE)	ч	X02610	S	2.5	œ
Selenoprotein P	H	M63574	7	31.8	N40	NPC-1 protein	E	AF003348		3.1	œ
						Phosphoglycerate mutase type B	1 .	S63233	4	9.6	œ
						Stenroyl-CoA desaturase 2	ч	AF036761		7.5	œ
						Transcript ass. with monocyte differentation	c	X85750	_	8.2	T48
						Transporter protein (g17)	ď	U49082	_	4.2	α,
			'			X-chromosome linked phosphoglycerate kinase	Ħ	M31788	_	2.9	œ

FIG. 2B

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	Cytoske	leton (componen	ts-Mol	scule I	nvolvec	Cytoskeleton Components-Molecule Involved in Adhesion and Cell-Cell Interaction					
ABP-280 (actin-binding protein/filamin)		h X53416	116	1 5		~	Arp3 (actin-related protein 3)	æ	AF006083	m	3.3	T49, R
Alpha-actin		r x06801	301	5 4	4.2	∝	Calcium-binding protein pp52/LSP1/WP34	E	M89956	2	29.7	T50, R
Cadherin-11	_	m X77557	557	1 1		<u>~</u>	, Calponin	ч	U06755	-	5.5	œ
Caldesmon		r U18419	119	3 37		N41	CD44 glycoprotein	u	M61875	7	17.0	T51,R
Cytohesin-2		r U70728	128	1 >1	,	142	Laminin receptor	E	J02870	2	4.1	α.
Gas-1	-	m X65128	128	1 10		æ	Leukocyte adhesion protein p150,95	ď	Y00093	2	5.2	æ
HSPG core fibroglycan (syndecan-2)		r M81687	587	1 61	61.9 N4	N43, R	MAGE-B gene cluster	ч	093163	7	15.3	T52
huEMAP microtubule associated protein		DWN 4	NMO04434	1 26		144	Myosin regulatory light chain	¥	D14688		6.9	æ
MLC-2		r S77900	900	2 2		5,R	TA1 oncofetal gene	1	000995	7	1.9	T53
P-cadherin	_	m X06340	340	1 60		146	Thymosin beta 4	1	M34013	-	2.4	T54, R
Podoplanin		r U96449	149	1 9		~						
Ryudocan		r S61868	898	6 27		7, R						
Tropomyosin 4		r 700	700169	1 7		8,R						
TRPM-2/clusterin		r M64723	723	1 39		49						
Vimentin		r x62	x62952	1 1		œ						
		•			Extra	cellula	Extracellular Proteins					
Collagen alphal		r 278279	67.3	34 22	22.3	~	MMP-1 (Collagenase)		M60616	19	>100	T55,R
Cyr61 (immediate-early gene)	_	m M32490	190	4 16		0, R	MMP-3 (Stromelysin 1)	ĭ	X02601	7	32.3	T56, R
Entactin/Nidogen	_	m X14194	194			151	MMP-10 (Stromelysin 2)		X05083	12	33.8	` ≃
Fibrillin-1 (Fbn1)	_	т U22493	193	1 3	3,3	· α	Mob-1	ı	017035	2	2.4	T57, R
Fibronectin		r X15906	906			152	Testin		x78990	-	8.9	T58
FISP-12		m M70642	542		49.4 N	53						
Follistatin-related protein; TSC-36		r 006864	364	5 2		4,R						
Laminin Bl		m M15525	525	1 5		~						
Lysyl oxidase		r U11038	38	14 9		· ~						
Lysyl oxidase-related protein (WS9-14)		h U89942	942	1 55	59.2 N5	5,R						
Megakaryocyte potentiating factor		m D86370	370	3 6		95						
MGF (mast cell growth factor)	_	m U44725	125		13.4 N	N57						
MMP-2 (Gelatinase A)		r U65656	556	3 50		N58,R						
Thrombospondin 1		m M62470	170			~						
TIMP-2 (inhibitor of metalloproteinase 2)		r S72594	594	1 18	18.3 NS	N59, R		•				

FIG. 2C



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		-			Oth	Others						
AAC11 (anti-apoptotic gene)	ď	U83857	7	3.1	N60	Annexin IV	E	U72941	7	57.8	T59, R	
Ania-6 (acitivity and neurotransmitter-ind. gene 6)	r (AF030091	-	10.2	œ	B-cell receptor associated protein 37 (BAP 37)	E	X78683	7	42.8	T60, R	
Antiquitin		S74728	7	7.4	N61, R	BC-2 protein p32	ح.	AF042384	-	2.8	T61,R	
ATP-dependent metalloprotease FtsH1	æ	AF090430	_	21.3	×	BCSC-1: (breast cancer suppressor candidate 1)	ď	AF002672	4	6.9	T62	
CBP20 (CAP-binding protein)	ч	X84157	~	5.0	œ	BP-1(similar to Lysyl hydroxylase isoform 3)	ч	M18864.	-	5.6	T63	
Collapsin-2	U	U28240	-	>100	N62	C29 keratin-I related	E	AB013607		6.4	~	
DOC-2:p96 Phosphoprotein	H	095177	_	>100	N63, R	Calmodulin (RCM3)	¥	M19312	7	2.8	T64	
E124 (b53 responsive gene)	E	041751	4	5.5	N64	E1B 19K/Bcl-2-binding protein homolog (Nip3)	E	AF041054	-	63.0	T65	
eIF-4AII protein synthesis initiation factor	E	X56953	-	3.9	α.	Fls353 activated in colon tumors	ᅽ	AB024704	_	2.3	~	
H411 precursor	ha	AF046870		>100	N65	Glycyl-tRNA synthetase	۲.	U09510	1	12.0	~	
Interferon induced gene	ы	X61381	~	>100	99N	HRIHFB2216 rat fetal brain gene	ч	AB015345	_	5.9	T66	
KIAA0045 (myeloblast)	æ	D28476	,_	16.3	~	Insulinoma Gene (rig)	ч	U09510		1.6	T67	
KIAA0128 (mveloblast)	٦	D50918	_	33.8	æ	KE04p protein	ב	M19393	-	16.0	T68	
KIAA0235 (meloblast)	ų	D87078	_	4.8	œ	KIAA0013 (myeloblast)	-	AF064093	-	3.2	∝.	
	æ	D87448		3.6	~	KIAA0310 (brain)	ح	DS7717	-	0.9	œ	
KIAA0332 (brain)	£	AB002330	-	20.8	~	KIAA0431 (brain)	£	AB002308		10.7	α.	
L1 retroposon (ORF2)	ы	X53581	'n	20.2	24	KIAA0525 (brain)	ء,	AB007891		2.5	œ	
LxRN3 (LINE 1 repetitive sequence)	ч	M60824	-	26.2	24	KIAA0544 (brain)	£	AB011097	-	5.9	œ	
Mama gene	ч	AF065438	-	14.5	N67	KIAA0595 (brain)	4	AB011116	-	9.4	œ	
Osteoglycin	E	D31951	5	2.7	œ	KIAA0597 (brain)	_	AB011167	-	2.9	α;	
p538P2 (p53binding protein)	E	058881	-4	10.3	œ	LIM protein FHL2	E	AB011169	-	4.2	œ.	
PEBP2a1	E	D14636	-	38.4	N68	LIM-protein FHL3	<u>, c</u>	AF055889	-	7.3	T69	
oMEM2 (maternal embryonic message gene 2)	E	X95350	_	29.4	69N	MAM domain protein	×	U60116		>100	T70,R	
SFRS7 splicing factor	ᄰ	L41887	7	10.4	œ	Mu-calpain large subunit (cls1)	ı	XLU37376	-	28.7	~	
HDNMZ	1	X17464		>100	N70	Neuritin	Ħ	RNU88958		1.8	œ	•
Zinc-finger domain-containing protein	ے	090654	_	7.8	œ	ORP150(150 kDa oxygen regulated protein)	ч	041853	_	9.3	171	
ZNF216 zinc finder protein	E	AF062071	_	6.7	æ	PHD finger protein 2 (PHF2)	모	NM 0053921	. 1	2.1	α.	
						Rsen3 (rat spinocerebellar alaxia type 3 gene)	ı	Y12319	-	55.5	T72	
·						Seryl tRNA synthetase	ч	M88136	٣	2.4	∝	
						Synexin (annexin VII)	E	L13129	-	2.2	α.	
						TACC2	æ	AF095791	-	2.3	~	
						TSG101 (tumor susceptibility protein)	E	U52945	7	2.2	T73	
						Tyrosine phosphatase-like protein 1A-2a; PTP35	¥	U40652	11	74.9	T74,R	

FIG. 2D



Expressed Sequence Tags (EST)

Up-adjusted ESTs	66174 ESTAA925028 79499 ESTAA943118 82063 ESTAA945179 17685 ESTAI007739 71144 ESTAI0151015 89539 ESTAI04161 16986 ESTAI234525 92426 ESTPAI04161 16986 ESTAI234525 92426 ESTW20810 01034 ESTW20810 01015 ESTW6969 50112 50123 50123 5918 59255 54000	20 New Sequences
,	ESTAA066174 ESTAA079499 ESTAA182063 ESTAA417685 ESTAA589539 ESTAA589353 ESTAA798353 ESTAA798353 ESTAA801415 ESTAA850123 ESTAA850125 ESTAA8530133 ESTAA853013 ESTAA853013	New Sequences
	ESTAA859477 ESTAA859644 ESTAA859740 ESTAA863640 ESTAA864031 ESTAA891207 SETAA891207 SETAA891207 SETAA891207 SETAA901340 ESTAA901340 ESTAA901340 ESTAA901340 ESTAA96686 ESTAA966886	New Se
Down-adjusted ESTs	ESTAA67476 ESTAA681418 ESTAA710096 ESTAA722531 ESTAA734740 ESTAA734740 ESTAA73572120 ESTAA752120 ESTAA759531 ESTAA769153 ESTAA769153 ESTAA7691780 ESTAA8001749 ESTAA801125 ESTAA801125 ESTAA801125 ESTAA819247 ESTAA8517802	25 New Sequences
Down-ac	ESTAA276763 ESTAA276806 ESTAA286129 ESTAA372927 ESTAA372927 ESTAA372927 ESTAA412823 ESTAA412823 ESTAA412823 ESTAA412823 ESTAA412823 ESTAA51212 ESTAA517339 ESTAA575550 ESTAA575550 ESTAA67112 ESTAA67112 ESTAA67112 ESTAA671112 ESTAA671113	25 Nev
	ESTAA003402 ESTAA028510 ESTAA033320 ESTAA067238 ESTAA122792 ESTAA153720 ESTAA15440 ESTAA16494 ESTAA16494 ESTAA16494 ESTAA163325 ESTAA163325 ESTAA200452 ESTAA204164 ESTAA266966 ESTAA266966 ESTAA266966 ESTAA267114 ESTAA270146	·

FIG. 2E



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					Expression Strength	ion St	ength	
	Expression Strength	on Str	ength	semience Identity	0	G	855	
Sequence Identity	208F	FE8	FE8	(Genbank/EMBL)	ZUBE	. 150	+ PD	
ומפווסמוניג מייביל			44.0	Rleomycin hydrolase	+ '	## :	‡ -	
2-hudrowy 3-methylalutaryl coA synthase	‡ ‡	+	+ :	ppc/l-sesociated RING protein (Bardl)	0	‡	+ :	
3-Hydroxy S mcc. 1.2. 1.2. 2.2. 2.2. 2.2. 2.2. 2.2. 2	+	‡	+ :	ere log/Bcl-2-binding protein (Nip3)	0	‡	‡ :	
	+++	+	+ :	Ein 13N/ Dor & Errens I	+	+++	+ :	
Alpha action Approximation App	‡	+	+	EAPOT CITI	, O	+++	+	
Antioxidance englance recorded Antioxidance Antioxidance (2004)	‡	0	±.	FEN-1 (Liap encondered),	0	+++	+ :	
Arbo (acetamanormon	‡	0	+++	FRBFOI (I-cert Specific Tour protein)		‡	0	
Cdc21	+++.	0	‡	FLIP (FLICE-11Ke JUNITATION) Procession	0	+++	+	
ein Cenrc	+	+	+++	GEF-H1	C	+++	0	
Collagen alpha 1	1		‡	LAPIC (lamina associated polypeptine 1)	o. c	++	+	
CSF-1 (colony stimulating factor 1)	‡ =	, c	: ;	MAM domain protein	5 6	. +		
nor-2: pg6 phosphoprotein	+	٠ -	: :	Map-kinase phosphatase (cpg21) (c)	> '			
nest transcription factor	+++	+	‡	the American (d)	0	+++	-	
FROI LIAMON FORTON	+++	0	‡		0	##	0	
ETF transcription factor	+	+	+	MMP-3 (Strometysin-1)	+	‡	+	
Fibronectin	1	+	‡	Myb-binding protein (Pibu)		‡	0	
Follistatin-related protein; TSC30	: ;	. 4	++++	NF-1 transcription factor	> -	111	‡	
GRP94/endoplasmin	++		. 4	Non-neuronal enolase (NNE)	⊢ ·		: →	
G. binding protein	++	> (:	oppiso (150 kDa oxygen regulated)	+	+ -	- :	
goot shock profess 90	‡	9	‡	Critical (150 protein)	0	+++	+	
Hear Shock process 5	+++	0	‡	pol (taobten) tacca	0	+++	+	
HSPG core ilbrogiycan (synccom -/	+++	0	‡	PkB kinase	0	++	+	
Interferon induced gene	+++++	0	‡	RaplB GTP binding procein (e)	0	++	+	
L1 retroposon (ORF2)	. + - +	+	‡	Ras-GTPase-activating protein	, ,	+++	+	
Laminin Bl	- 4		+	Rsca3 (rat spinòcerebellar ataxla gene)		‡	+	
	: :	· c	+	SA-1 (stromal antigen)		111	‡	
Lysyl oxidase-related protein (WS9-14)	+ :	·	. +	Sort1 (Sortilin)	> :	- 1	‡	
Mama Gene	++		- =	regioi (tumor susceptibility protein)	‡	-	:	
wmp-2 (Gelatinase A)	+	>	<u>+</u> :					
_mees (transcriptional activator)	#	+	‡ :					
mirro (remoting GSNA	‡	0	+ + +					
משורדולביו	‡	0	‡	-				
Osteoglycin	‡	+	‡					
P5 protein	‡	0	++					
P-cadherin	: :	• •	+					
phosoncin-like protein (PhLP)	+	>	- =					
comm inducible kinase (SNK)	‡	o •	<u> </u>					
Serum firecording factor	‡.	0	++	-	ź			
SIMIDAL CLANSCAPETON	++	0	+			-		
Thrombospondin 1	+++	+	‡					
	‡	+	+++					1
TRPM-2/Clusterin (D)								



	Expi	ession	Stren	gth
Sequence Identity	208F	FE-8 H-Ras	208F K-Ras	
(Genbank/EMBL)	0	++++	0	+
ABC transporter MOAT-B	+	++++	0	+
BCSC-1 (breast cancer suppressor candidate 1)	+	++++	+	+++
cual covugenase 1	0	++	++++	++
E1B 19K/Bcl-2-binding protein (Nip3)	++++	+	0	++
EST AA743557	+	++++	+	+
EST AA792426	+	++++	+ ·	++
	•	0	++	++
EST AA924000 ETF TEA domain containing transcription factor	+	+++	0	+
Famesyl pyrophosphate synthetase	0	++++	+	0
FEN_1 (flap endonuclease-1)	0	+	++	+++
FITP (FLICE-like inhibitory protein)	. +	++++	+	+
JAK1 protein tyrosine kinase 1	0	. ++++	. 0	. 0
MAGE-B gene cluster	0	++	+++	+++
MAP-kinase phosphatase (cpg21)	++++	0	. +·	++
MARCKS	. 0.	++	++	++-
MMP-10 (Stromelysin 2)	0	++++	++	+
1 (6)	++++	0	+	+
mTFE3 (X-linked transcriptional activator)	. +	++++	++	+
Myb-binding protein (P160)	++++	0	++	. ++
novel transcript N317	++++	_	0	÷
p and p	+++		+	. +
Phosphatidylinositol 3-kinase pl/U	0	+++-	+ 0	(
Ras-GTPase-activating protein	0	+++	+ +	
SRF1 phosphatase	++++	- 0	+++	+ +
Serum inducible kinase (SNK) (h) Tyrosine phosphatase IA-2a (i)	0	+++	+ . 0	

FIG. 4



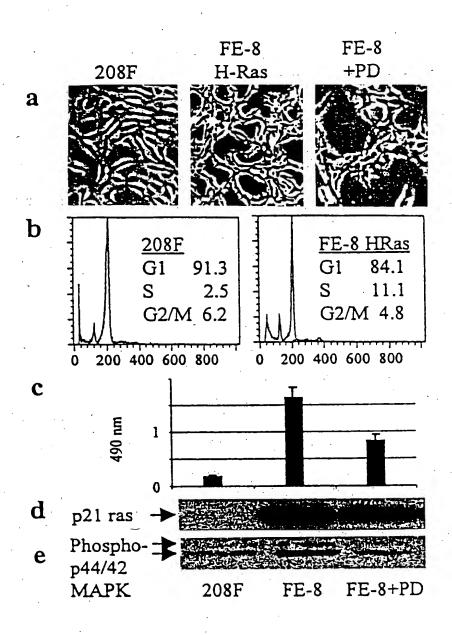


FIG. 5



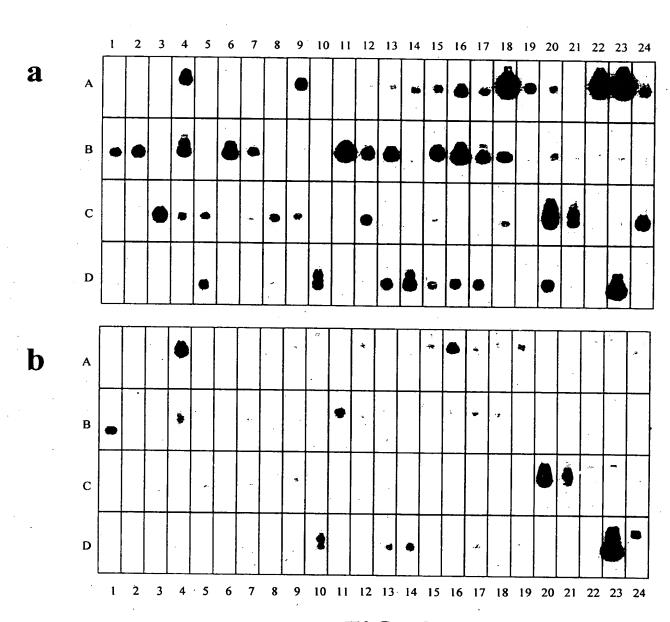
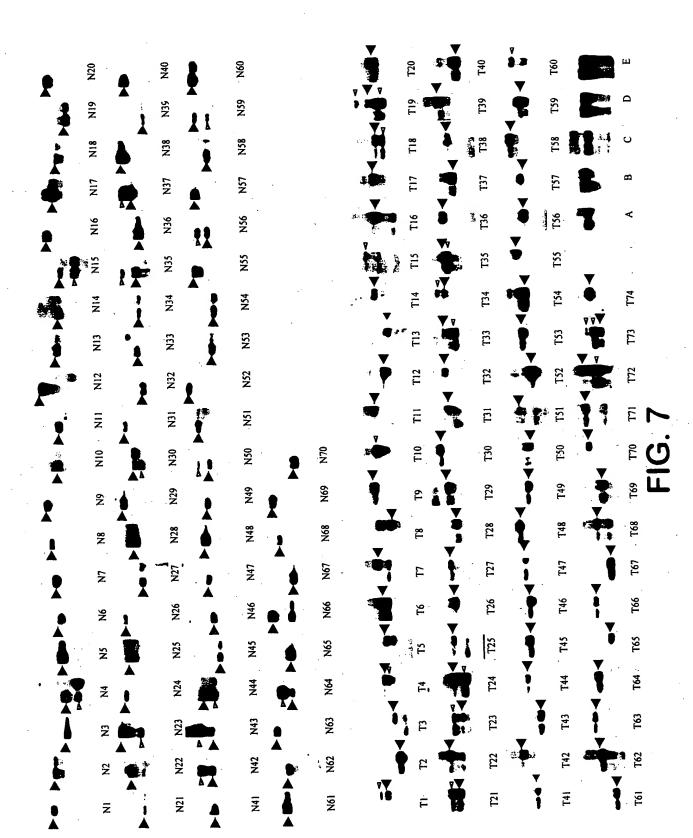


FIG. 6







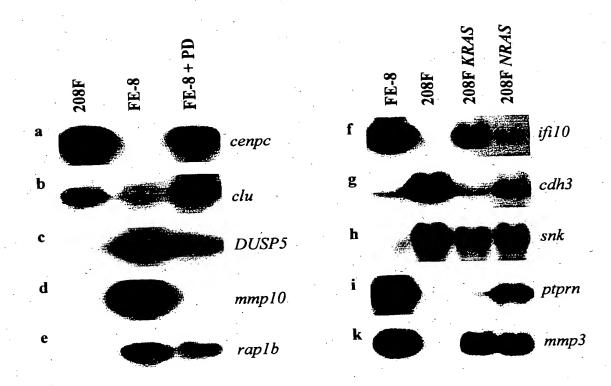


FIG. 8



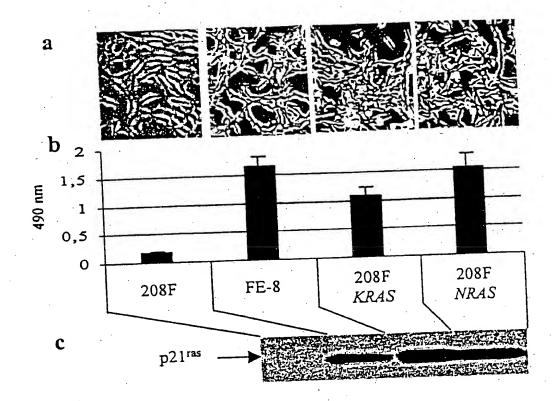


FIG. 9



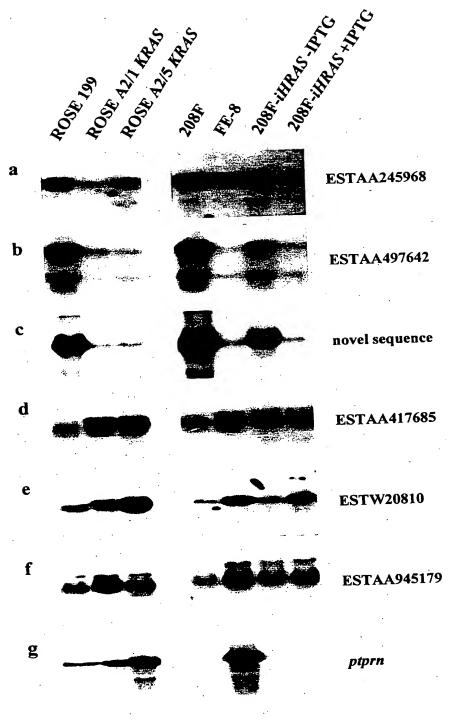


FIG. 10



```
T59
1
2
    T182
     TS2
3
     T6
5
     T34
     พ5
     NZO
7
     N280
     N271
9
10
       N126
       T148
11
       N199
.12
       T64
N131
 13
 14
       T20
 15
       T162
 16
       T141
 17
 18
       N77
        N104
  19
        T49
  20
  21
        Tl6
        N189
  22
        N28
  23
  24
        T124
  25
        T216
        T60
  26
   27
        T37
         T160
   28
         N101
   29
   30
         N40
         T54
   31
         T120
   32
         N159
   33
   34
         T185
         N151
   35
         T147
    36
          N183
    37
          T25
    38
          T47
    39
          T43
    40
    41
          T139
          T176
    42
          N144
    43
          T35
    44
          T98
     45
          T15
     46
           T138
           N21
     46
     49
           T76
           T103
     50
     51
           T143
           N31
     53
     54
55
           T243
           N129
            T193
      56
            T132
      57
            T137
      58
            T217
T191
      59
      60
            N42
      61
            T156
```

62 63

T67

FIG. 11



```
N196
б4
65
     T21
66
     N34
     N134
67
     T119
68
69
     изб
      N209
70
71
      N256
      T105
72
73
      T75
      T153
74
75
      T189
76
      T86
77
      T111
73
      T144
79
      N192
      N103
80
81
      N270
      N255
82
83
      NGI
84
      N137
85
      TI74
86
      N22
      T2
87
 88
      T237
 89
       T19
 90
       N156
 91
       N59
       N235
 92
 92
       N248
 92
       N249
       N252
 92
 92
       N257
 93
       8ET
 94
       T121
 95
       Nlo
 96
       T129
 97
       T66
 98
       T36
       T40
 99
 100
        Nl
 101
        N212
        T100
 102
 103
        N112
 104
        N3
         N238
 105
  106
         T183
         T238
  107
  108
         T166
  109
         N29
         T225
  110
         N175
  111
  112
  113
         T72
  114
         N186
         T212
  115
  116
         T196
  117
         T48
         N132
  118
  119
         N158
         T69
  120
  121
         N7
```

122

T245

FIG. 11A



N102 123 T208 124 N44 125 T205 126 T215 127 N283 128 TZZ6 129 130 131 132 T222 N264 133 T240 N70 134 135 136 T125 N253 137 N234 138 N202 139 N82 141 T45 T118 142 T10 143 N71 144 и183 145 N165 146 N213 147 N35 148 149 N182 N43 150 N75 151 T163 152 T89 153 154 N11 N32 155. TSO 156 157 N215 158 N242 N181 159 N48 160 161 162 N109 163 N260 164 165 T219 166 T61 NBS 167 168 N45 T250 169 170 171 N261 T172 172 N62 N160 173 พ154 174 175 и58 T232 176 177 178 179 N128 N79 **T58** 130 N30 T68 181 T244 T251 182 182 182 183 **T96** N26

FIG. 11B



```
N14
184
      N121
185
       T17
136
       Т3
187
       T117
123
       T14
139
       T73
190
191
       N4
       N289
192
       T239
193
        T170
194
        T146
 195
 196
        N17
 197
        T235
       N74
 198
 199
        NlS
 200
        T136
 201
        T204
 201
        N50
 202
        N116
 203
        T223
 204
        NI98
  205
        N267
  206
  207
         T133
         T80
  208
         N218
  209
         N266
  210
         T224
  211
         N148
  212
  213
         игоа
         N263
  214
         N250
  215
         N92
  216
          N152
   217
          T11
   213
          T159
   219
   220
          N243
          N78
   221
          T116
   222
          T27
   223
          N207
   224
          TBI
   225
           N38
   226
    227
           N163
           N81
    223
           T94
    229
           N228
    230
    231
    232
           T230
           T188
    233
           N130
    234
           N187
    235
           N136
    236
           N294
    237
    238
            N65
     239
            ив 9
     240
     241
            N125
            N205
     242
            и39
     243
```

FIG. 11C

N13

T48

244

245



T100 246 T223 247 N104 248 N35 249 250 T245 251 N32 T62 252 N125 253 254 N130 255 N22 256 TGI T125 257 258 T174 259 T36 T19 260 T204 261 262 T27 263 264 T212 265 T159 T226 266 T239 267 N263 268 **T66** 269 270 N75 N250 271 272 T175 273 EBSM 274 T40 275 N152 N256 276 N28 277 T160 278 TE2 279 N122 280 281 T170 282 N44 N18 283 T103 284 N126 285 286 N55 T42 287 288 T34 289 N158 290 N21 N154 291 081 292 T189 293 294 T17 T68 295 296 T14 297 T146 T120 298 299 300 T109 301 302 N215 303 T244 303 T251 T96 304 T211 305 306 T243

N218

307

FIG. 11D



```
T224
T94
80E
309
         T183
310
311
312
313
314
         N294
         T191
         T9
315
         N204
         N175
316
         N129
317
          T141
 318
 319
          N188
320
321
322
          T111
          T144
 323
          N213
          N109
 324.
 325
326
           N62
          T235
N198
N148
 327
328
329
330
331
           N78
           T116
           N46
           N49
  332
  333
334
335
           N51
N52
T26
```

FIG. 11E